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DATE MAILED: 01/31/2011

NOTICE OF ALLOWANCE AND FEE(S) DUE

23280 7590 01/31/2011
Davidson, Davidson & Kappel, LLC
485 7th Avenue
14th Floor

New York NY 10018

EXAMINER
WALTERS, RYAN J
ART UNIT PAPER NUMBER
3726

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.			
10/579,887	05/18/2006	Holger Stark	710.1047	5959			
TITLE OF INVENTION: LIGHTWEIGHT VALVE							

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/02/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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485 7th Avenue 14th Floor	7590 01/31 idson & Kappel, I			,	l ber	Cert	ificate	of Mailing or Trans 3) Transmittal is being ficient postage for first ISSUE FEE address 1) 273-2885, on the d	denovite	d with the United ail in an envelope or being facsimile ated below.
New York, NY 1	10018			[(Depositor's name)
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APPLICATION NO.	FILING DATE			FIRST NAMED INVENT	OR		ATTO	RNEY DOCKET NO.	CONFI	RMATION NO.
10/579,887 TITLE OF INVENTION	05/18/2006 : LIGHTWEIGHT VAL	VE		Holger Stark				710.1047		5959
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nonprovisional	NO		\$1510	\$300		\$0		\$1810		05/02/2011
EXAM	INER		ART UNIT	CLASS-SUBCLASS	\neg					
WALTERS, RYAN J			3726	029-890124	_					
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 2 or more recent) attach ND RESIDENCE DATZ ess an assignee is ident h in 37 CFR 3.11. Comp	nge of 6 " Indica ed. Use	Correspondence ution form of a Customer E PRINTED ON		p to nativ ingle or a attor be p typ e pa an a	3 registered patent ely, 2 firm (having as a gent) and the name neys or agents. If a printed. e) ttent. If an assigne assignment.	membes of u	er a 2		has been filed for
Please check the appropri	iate assignee category or	catego	ries (will not be pr	rinted on the patent):		Individual 🚨 Co	rporati	on or other private gro	up entity	Government
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Davidson, David	son & Kappel, LLC	WALTERS, RYAN J				
485 7th Avenue		ART UNIT	PAPER NUMBER			
14th Floor New York, NY 10	018	3726 DATE MAII ED: 01/31/2011				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1021 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1021 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/579 887 STARK ET AL Notice of Allowability Examiner Art Unit RYAN J WAITERS 3726 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTQL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFB 1.313 and MPEP 1308. This communication is responsive to an RCE filed on 12/17/2010. The allowed claim(s) is/are 21,26-28,31,32 and 34-45. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) 🖾 All b) ☐ Some* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. X Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413). Paper No./Mail Date

U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06)

/RYAN J. WAI TERS/

Examiner, Art Unit 3726

Paper No./Mail Date

of Biological Material

Information Disclosure Statements (PTO/SB/08).

4. T Examiner's Comment Regarding Requirement for Deposit

7. X Examiner's Amendment/Comment

9. Other _____.

/DAVID P. BRYANT/

8. X Examiner's Statement of Reasons for Allowance

Supervisory Patent Examiner, Art Unit 3726

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EXAMINER'S AMENDMENT

 An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William Gehris on 1/24/2011.

The application has been amended as follows:

In Claim 31, On line 14, REPLACE "valve stem form" WITH ---valve stem forms---

Change the title to: "METHOD OF MANUFACTURING A LIGHTWEIGHT VALVE"

Allowable Subject Matter

- 2. Claims 21, 26-28, 31, 32 and 34-45 are allowed.
- The following is an examiner's statement of reasons for allowance:

The prior art of record does not disclose nor render obvious the limitations "the valve stem including an annular shoulder formed by a width increase of the hollow space into the inner wall" and "joining the first and second components together by placing the force transmission element into the hollow space, bringing the stop surface of the force transmission element to bear against the annular shoulder" as now recited in claim 21 and "the force transmission element including a first end integrally connected to a center of the valve disk and a second end including a bearing surface having a conical shape,"

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"the inner wall increasing in width as the second one-piece component extends away from the valve cone to the valve stem such that a portion of the inner wall of the valve stem form a countersurface having a conical shape" and "joining the first and second components together by placing the force transmission element into the hollow space, bringing the bearing surface of the force transmission element to bear against the countersurface" as now recited in claim 31 in combination with the other claimed limitations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RYAN J. WALTERS whose telephone number is (571)270-5429. The examiner can normally be reached on Monday-Friday, 9am-5pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Bryant can be reached on 571-272-4526. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/RYAN J. WALTERS/ Examiner, Art Unit 3726 /DAVID P. BRYANT/ Supervisory Patent Examiner, Art Unit 3726